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SOURCE Gazeta Technicianului, No 8, 1950.

SPECIFICATIONS OF THE SOVIET STALINETS-80 TRACTOR

/In a special number of Gazeta Technicianului, dedicated to Stalin, the specifications of the Stalinets-80 tractor are listed. This tractor is used for agriculture, transport, construction of highways, and for many other purposes./

General Dimensions (mm)

Length	4,228
Width	2,465
Height (to roof of cab)	2,767
Tread (between the two axles of the caterpillar tracks)	1,880
Width of tracks	500
Length of tracks in contact with ground	2,373

Engine

KDM-46 Diesel
4 cylinders, vertical, in line
4-cycle
No compressor, but pre-combustion chamber
80 hp at 1,000 rpm; capable of producing 93 hp for a short time
One-piece, cast cylinder block with replaceable cylinder walls
Pistons, 145 mm in diameter
Stroke, 205 mm
Fuel consumption, 205-220 gr per hp
1,000 rpm at full load; 1,100 rpm running free; may be slowed down to 500 rpm

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Starting Motor, P-46

Gasoline
2 cylinders
4-cycle
2,600 rpm
19 hp
Pistons, 92 mm in diameter
Stroke, 102 mm

For easy starting in cold weather, the Diesel has an electrical heater for air; the exhaust of the starting motor is used to heat the intake pipe.

Weight of Tractor	11,400 kg
Pressure on ground	0.45 kg per sq cm
Clutch	Dry, double-disk
Gears	5 forward, 4 reverse
	Speed (km/hr)
Forward	
1st	2.25
2d	3.6
3d	5.14
4th	7.04
5th	9.65
Reverse	9.65
1st	2.60
2d	4.25
3d	6.10
4th	8.75

Traction Power at Drawbar (kg)	
1st gear	8,800
2d "	5,200
3d "	3,300
4th "	2,000
5th "	1,500

Steering

A hydraulic servomotor is intercalated in the steering system.

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